

02/12/14 Agenda

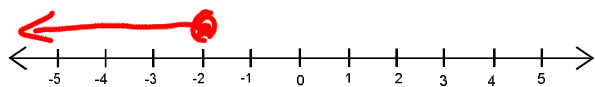
- Warm up exercise
- Review Quiz
- Review Homework - Worksheet 6.4
- Section 6.5 - Linear Inequalities

Homework - Worksheet 6.5

Warm Up - Graph:

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$$y \leq -2$$



$$x + 5 > 8$$



$$\begin{array}{r} x + 5 > 8 \\ -5 \quad -5 \\ \hline x > 3 \end{array}$$

# 6.5 day 1 - Linear Inequalities

Target 6D

February 12, 2014

What symbols do we have for "inequality"?

GT LT GE LE  
 $>$   $<$   $\geq$   $\leq$

What does the word "linear" refer to?

LINES (GRAPHS OF)

How do we graph a linear inequality?

Just like graphing a line with 2 extra questions:

Solid or Dashed Line?

Shade above or below the line?

● ○  
 $\leftarrow$   $\leftarrow$

ABOVE  $>$   $\geq$

$\leq$   $<$   
 $\geq$   $>$

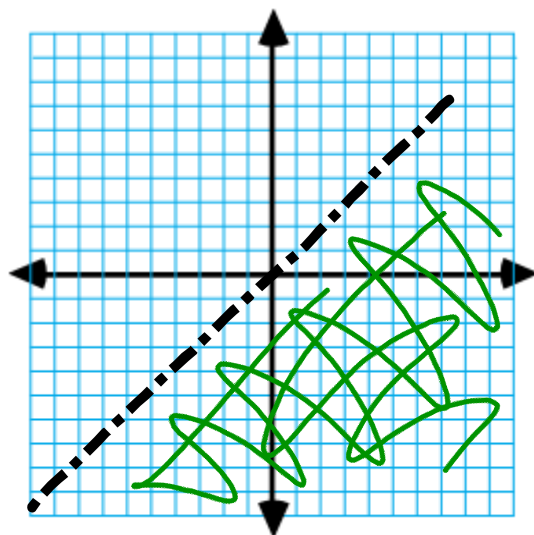
BELOW  $<$   $\leq$

Graph:

$$y < x$$

$$m = 1$$

$$b = 0$$



## 6.5 day 1 - Linear Inequalities

Target 6D

February 12, 2014

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Graph:

$$y > \frac{2}{3}x + 1$$

